

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/11649

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	C07D295/18	A61K31/496	A61P25/00	C07D295/22	C07D243/08
	C07D213/74	C07D239/42	C07D239/46	C07D237/20	C07D215/46
	C07D277/82	C07D241/08	C07D213/85	C07D487/08	C07D401/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/076925 A (BEAVERS LISA SELSAM ;SCHAUS JOHN MEHNERT (US); WATSON BRIAN MORGAN) 3 October 2002 (2002-10-03) see claim 7, e.g. compound 155 -----	1-8
Y	WO 02/12190 A (ORTHO MCNEIL PHARM INC) 14 February 2002 (2002-02-14) claim 1; example 76 -----	1-8
A	WO 00/06254 A (SCHUNACK WALTER G ;SIGURD ELZ (DE); STARK HOLGER (DE); BIOPROJET S) 10 February 2000 (2000-02-10) claim 16 -----	1-8

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

4 February 2004

18.03.2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Steendijk, M

INTERNATIONAL SEARCH REPORT

national application No.
PCT/EP 03/11649

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-8 (part)

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8(part)

Compounds of formula (I) in which R1 represents groups (A) or (F) (carbonyl bound saturated N-linked heterocycle with two nitrogen atoms)

2. claims: 1-8(part)

Compounds of formula (I) in which R1 represents group (B) (sulfonyl bound N-linked-heterocycle)

3. claims: 1-8(part)

Compounds of formula (I) in which R1 represents groups (C) or (D) (carbonyl bound saturated N-linked heterocycle with one nitrogen atom)

4. claims: 1-8(part)

Compounds of formula (I) in which R1 represents groups (E) (carbonyl bound spiro-fused N-linked heterocycle)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/11649

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 02076925	A	03-10-2002	CA	2441080 A1		03-10-2002
			EP	1379493 A2		14-01-2004
			WO	02076925 A2		03-10-2002
<hr/>						
WO 0212190	A	14-02-2002	US	2002040024 A1		04-04-2002
			AU	8111901 A		18-02-2002
			AU	8112101 A		18-02-2002
			AU	8473301 A		18-02-2002
			CA	2418369 A1		14-02-2002
			CA	2419027 A1		14-02-2002
			CA	2419036 A1		14-02-2002
			CN	1468221 T		14-01-2004
			CN	1468227 T		14-01-2004
			CZ	20030685 A3		13-08-2003
			CZ	20030686 A3		13-08-2003
			EP	1311499 A2		21-05-2003
			EP	1311482 A2		21-05-2003
			EP	1313721 A2		28-05-2003
			HU	0302893 A2		29-12-2003
			HU	0302959 A2		29-12-2003
			WO	0212224 A2		14-02-2002
			WO	0212214 A2		14-02-2002
			WO	0212190 A2		14-02-2002
			US	2002037896 A1		28-03-2002
			US	2002065278 A1		30-05-2002
<hr/>						
WO 0006254	A	10-02-2000	EP	0978512 A1		09-02-2000
			EP	0982300 A2		01-03-2000
			AU	5511999 A		21-02-2000
			CA	2321881 A1		10-02-2000
			WO	0006254 A2		10-02-2000
			EP	1100503 A2		23-05-2001
			JP	2002521463 T		16-07-2002